

Fig. 1

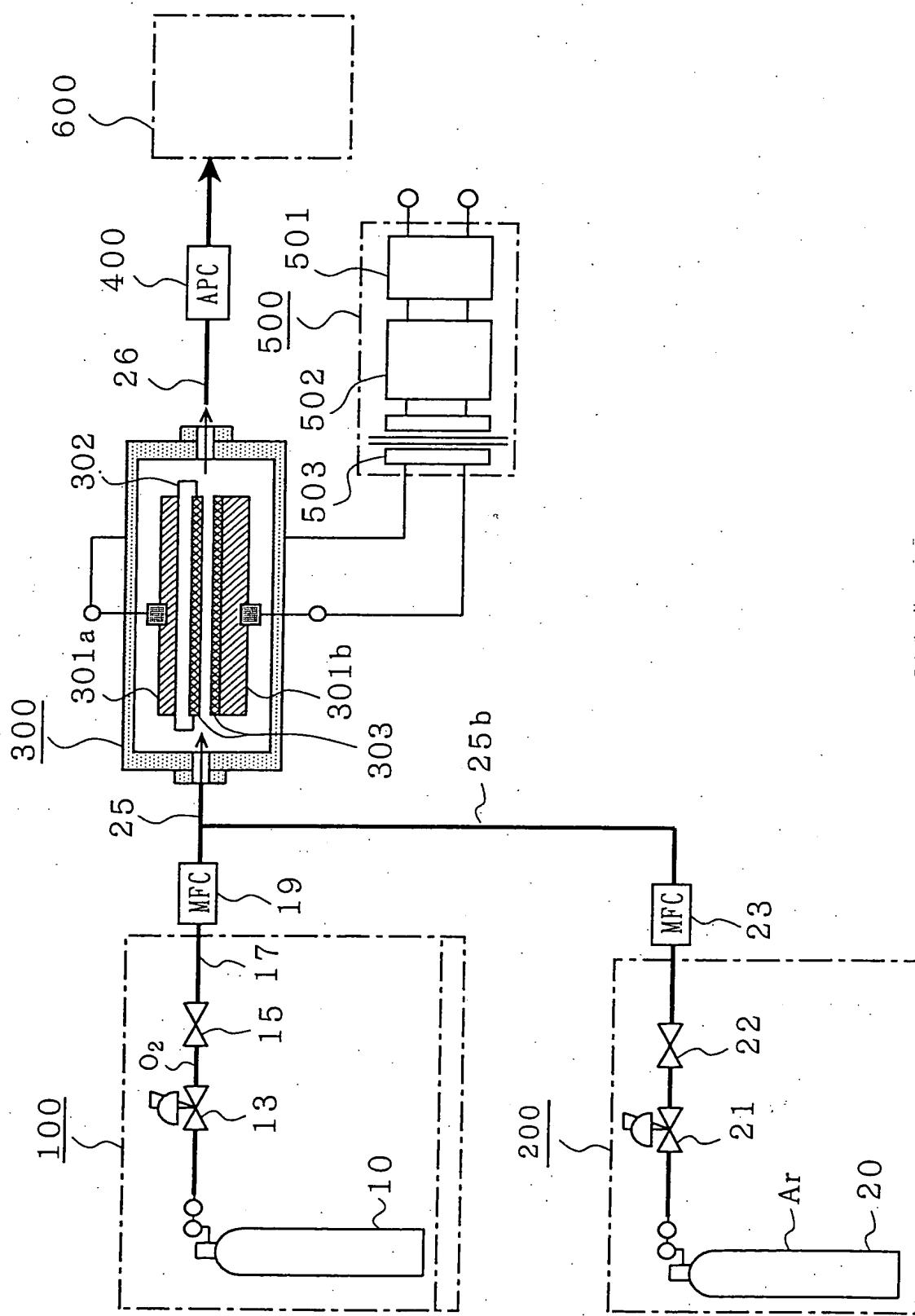
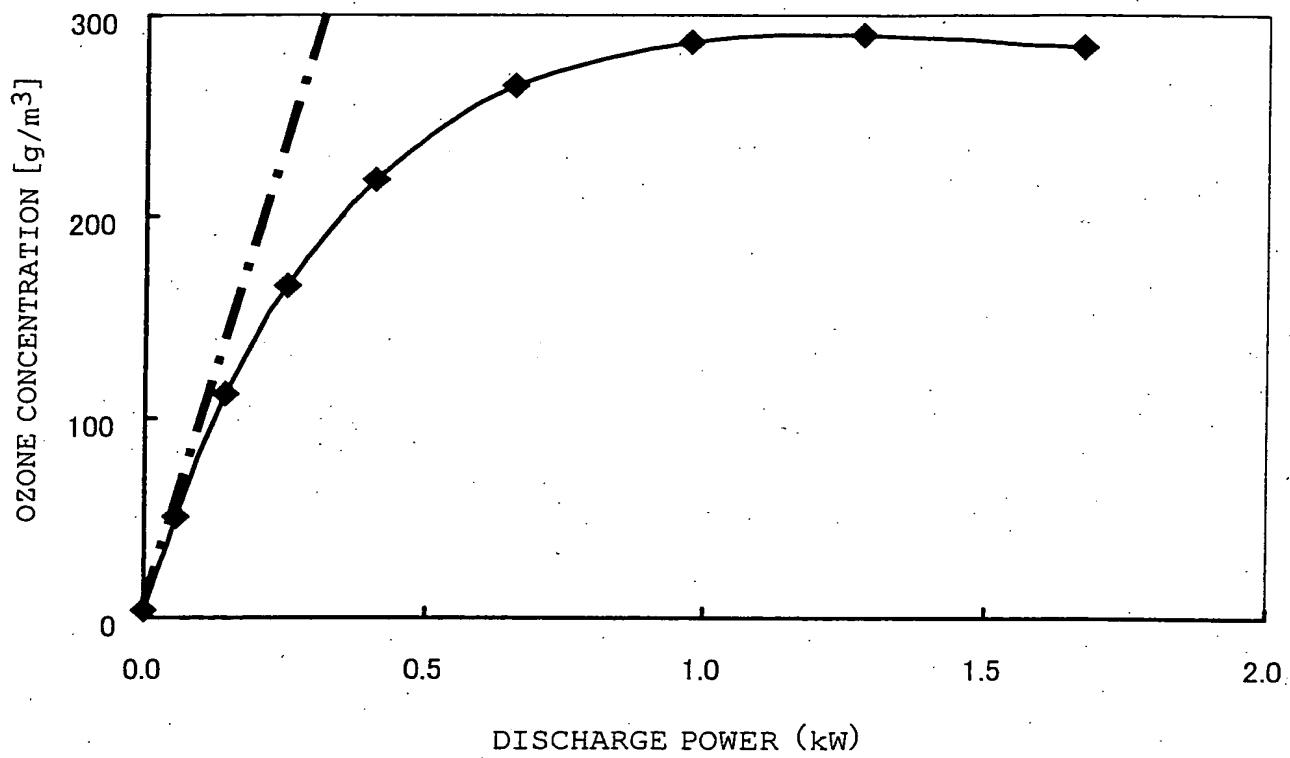
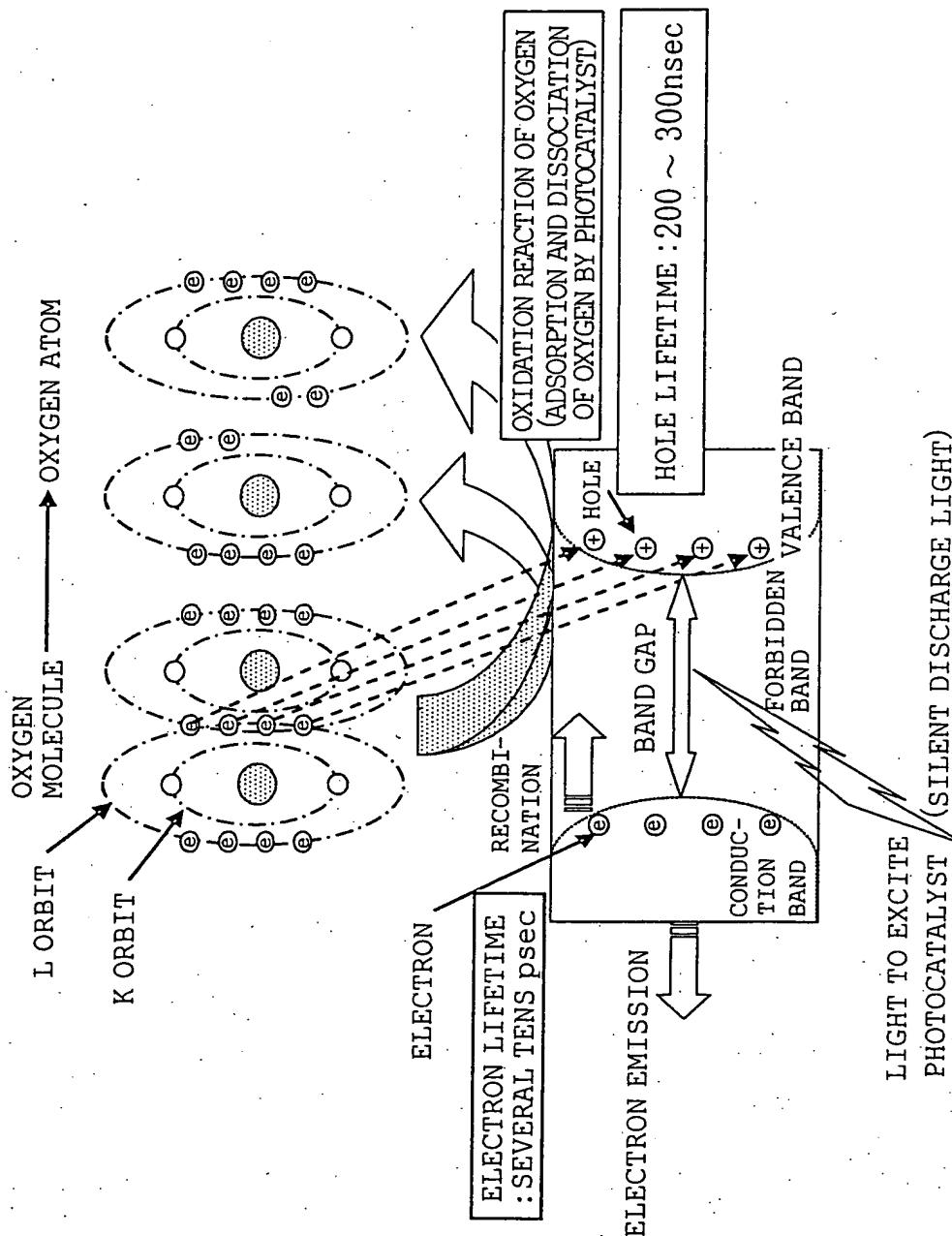
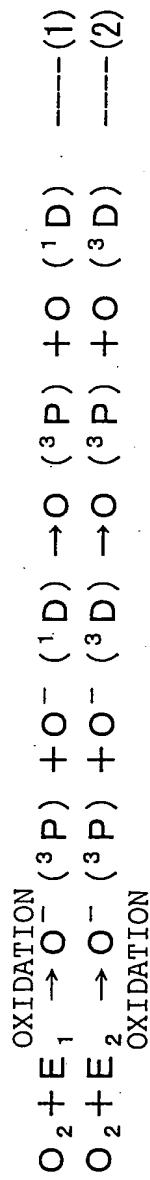


Fig. 2



F i g . 3

DISSOCIATED OF OXYGEN MOLECULE



F i g . 4

OZONE GENERATION BY TRIPLE COLLISION

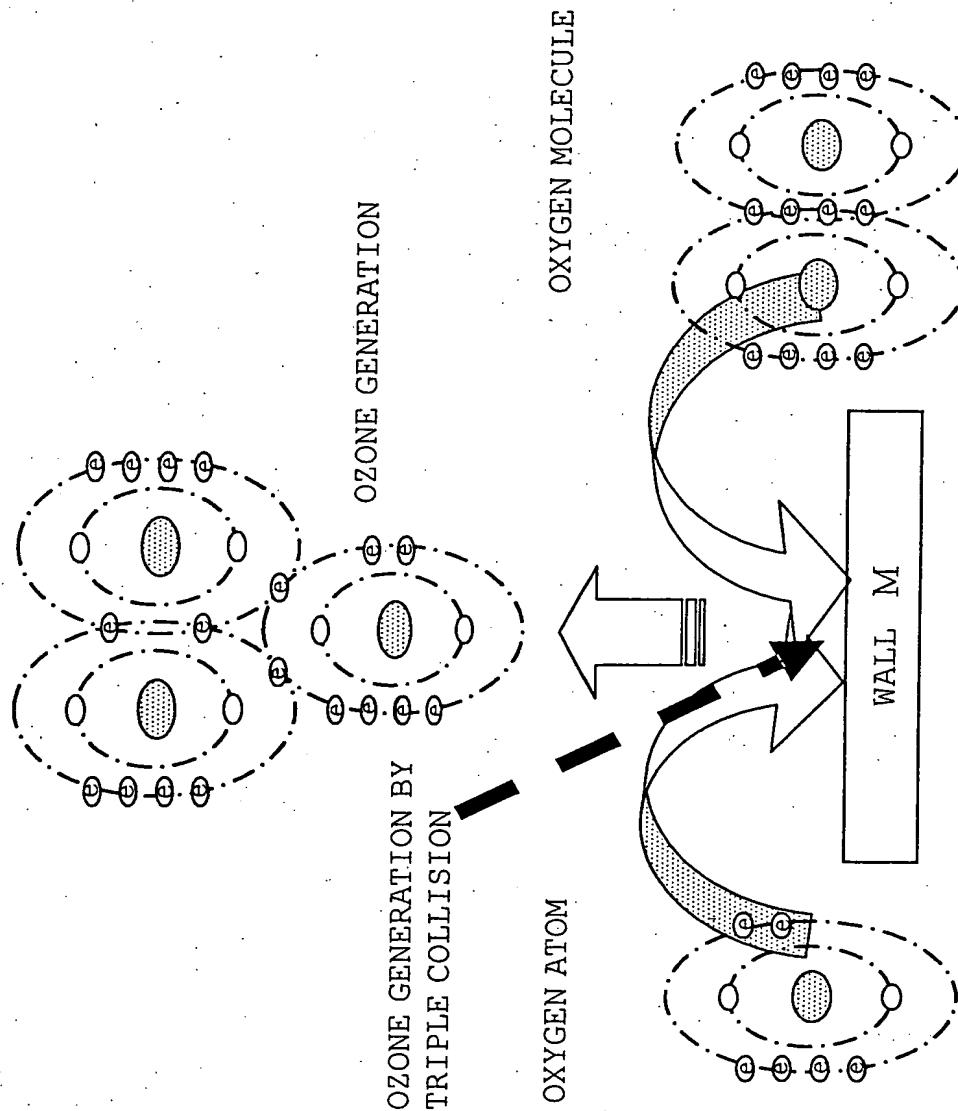
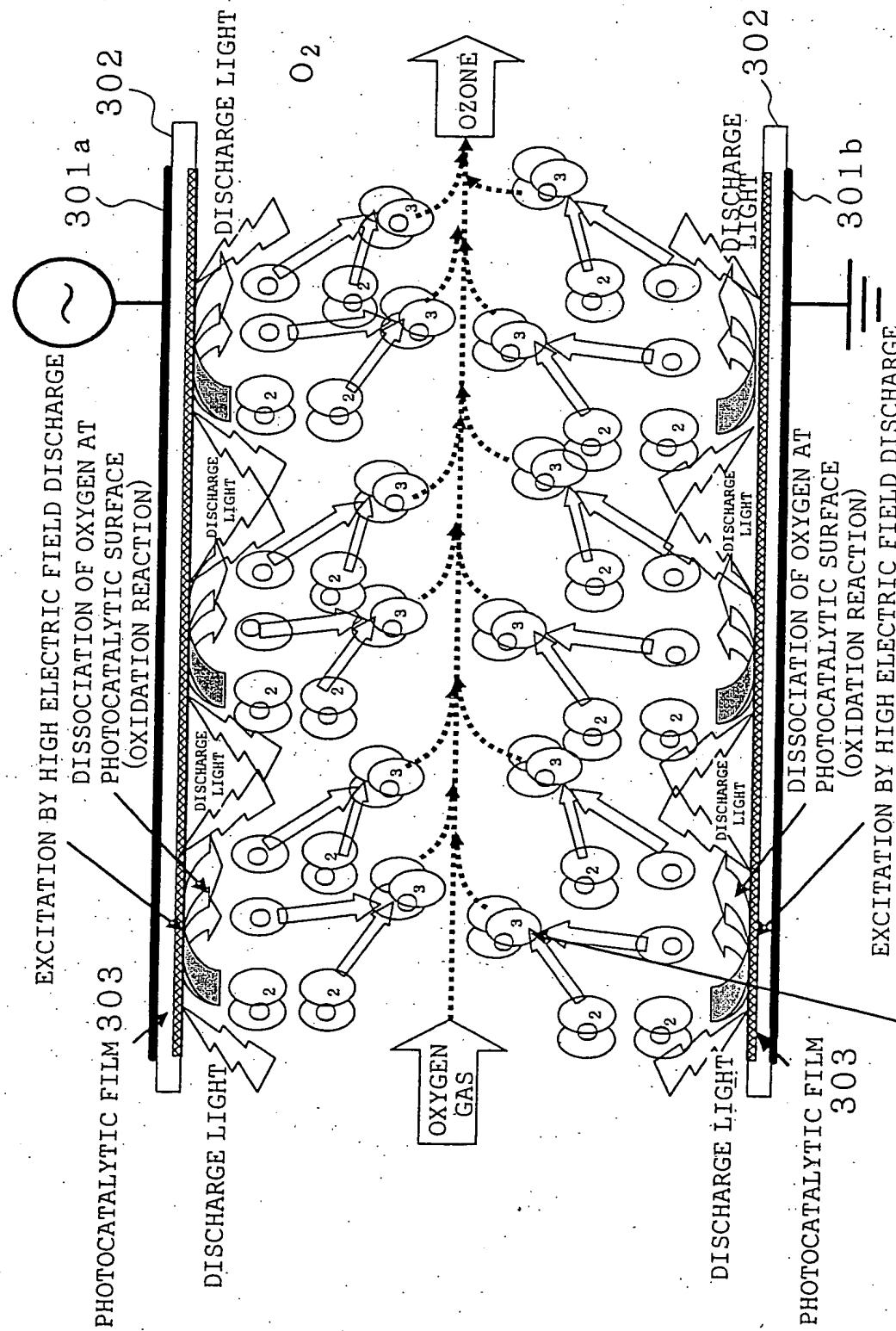
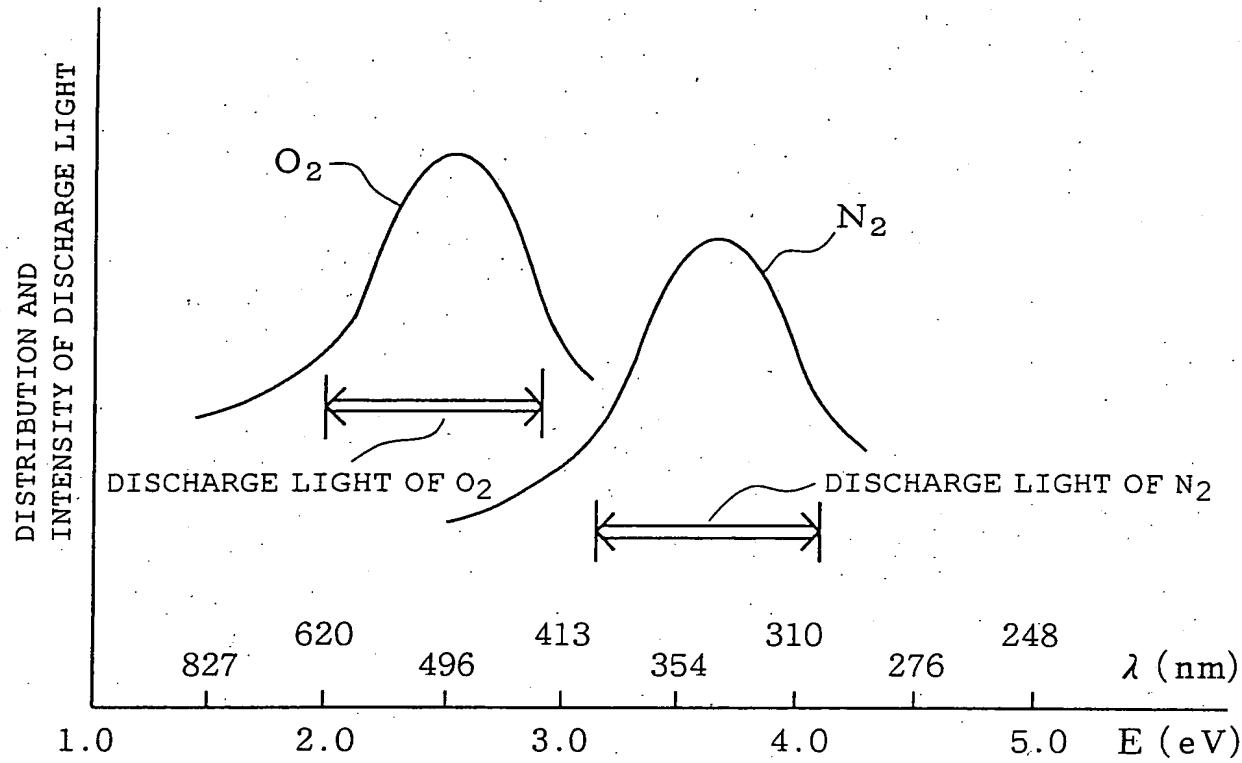


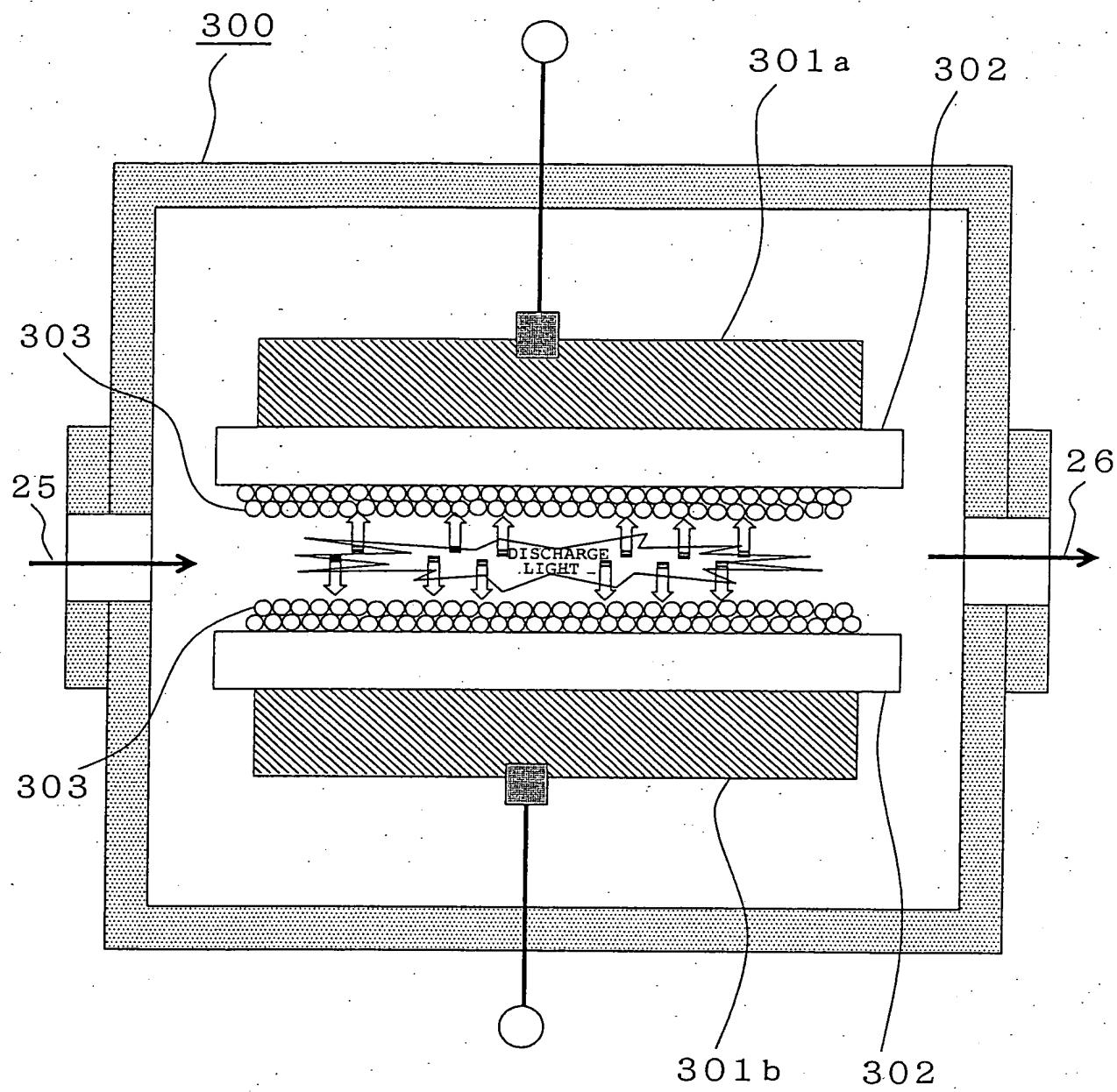
Fig. 5



F i g . 6

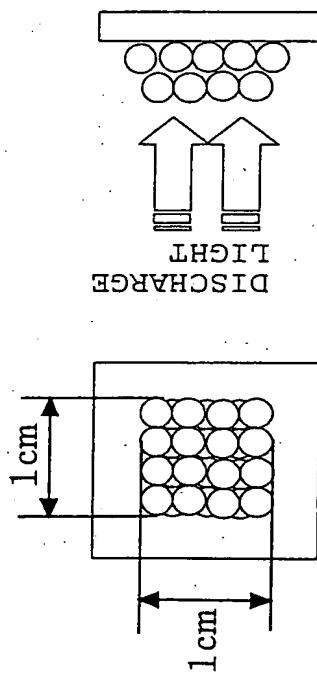


F i g . 7



F i g . 8

CONTACT AREA BETWEEN PHOTOCATALYST AND
LIGHT PER UNIT DISCHARGE AREA



FRONT VIEW

SECTIONAL
SCHEMATIC VIEW

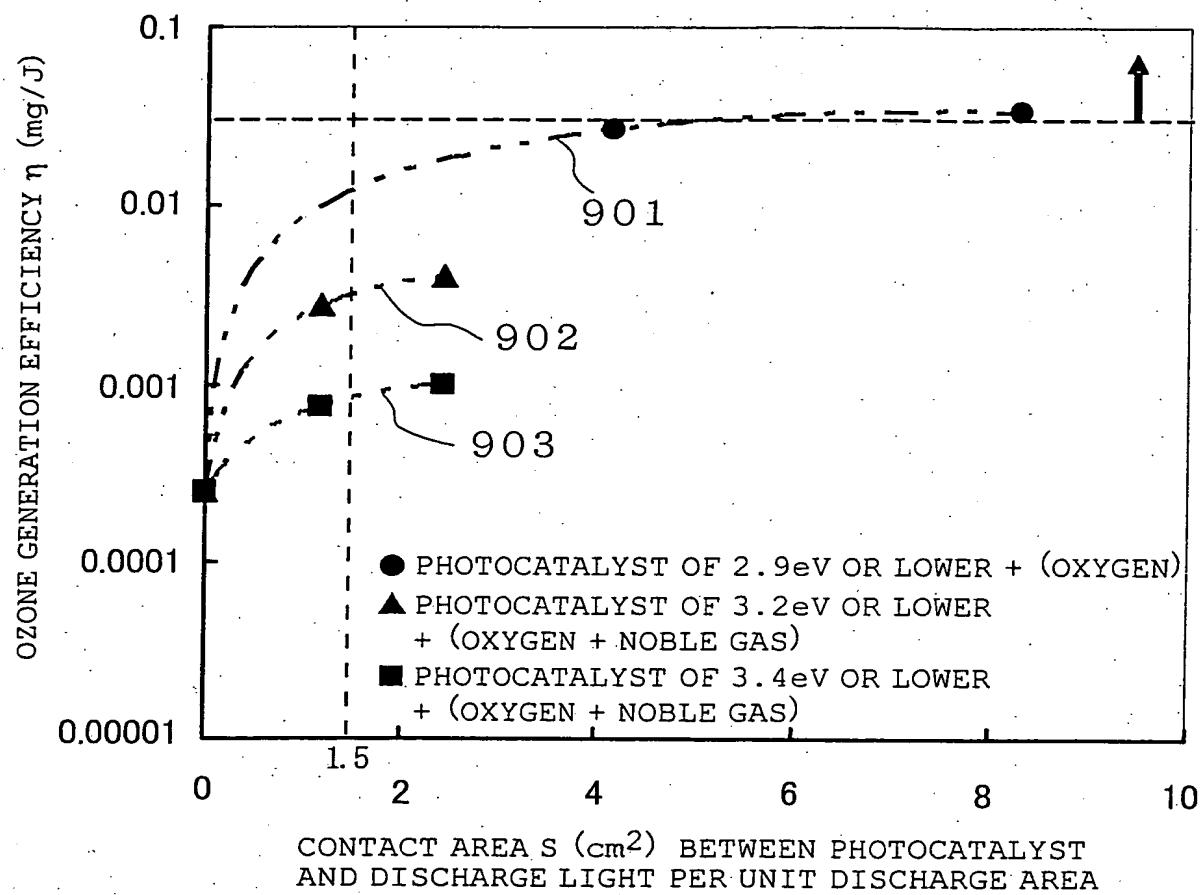
DISCHARGE GAP : 0.1 mm
750 cm²

DISCHARGE GAP: 0.1 mm
DISCHARGE AREA: 750 cm²
DISCHARGE PRESSURE: 0.25 MPa

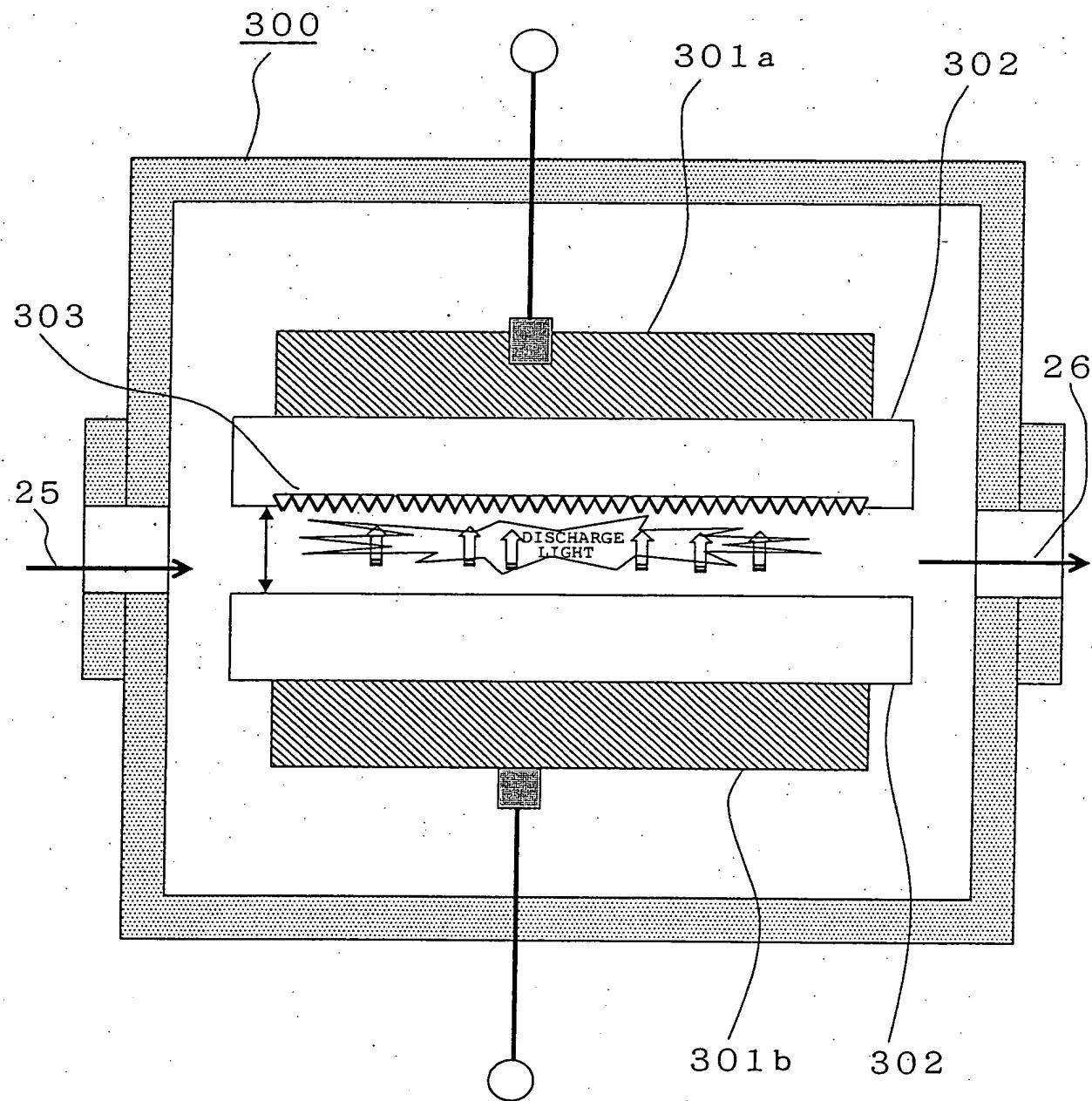
POWDER PARTICLE DIAMETER OF PHOTOCATALYST: $2 \mu m$
SURFACE AREA OF POWDER PARTICLE OF PHOTOCATALYST: $1.256E-07 \text{ cm}^2$
NUMBER OF POWDER PARTICLES OF PHOTOCATALYST PER ONE SIDE OF DISCHARGE AREA OF 1 cm^2 : 10000
NUMBER OF POWDER PARTICLES OF PHOTOCATALYST PER DISCHARGE AREA OF 1 cm^2 : 100000000
SURFACE AREA OF POWDER PARTICLE OF PHOTOCATALYST PER DISCHARGE AREA OF 1 cm^2 : 4.14 cm^2

Fig. 9

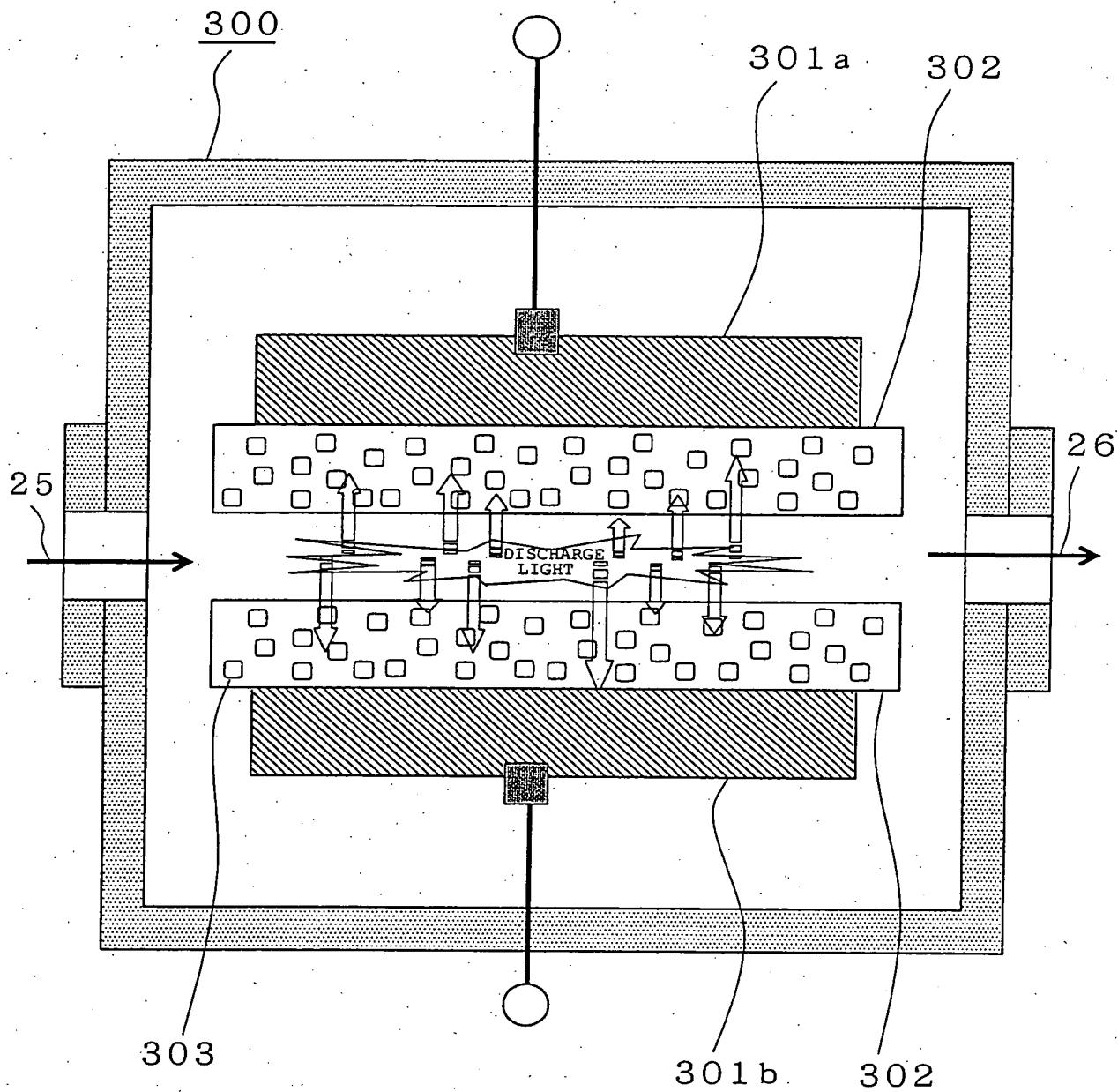
10/538780



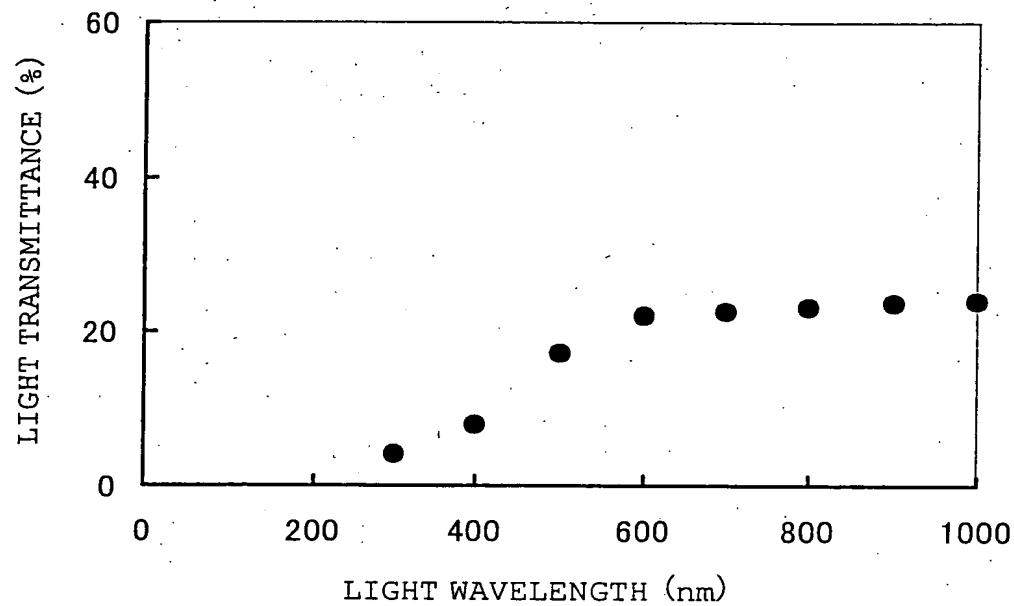
F i g . 1 0



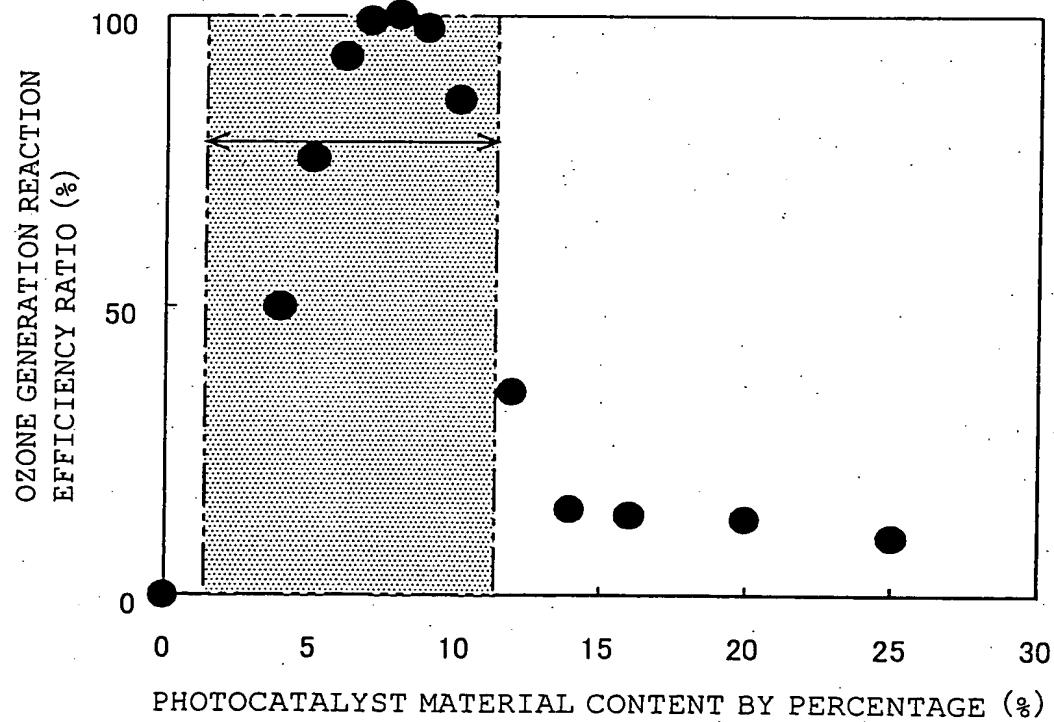
F i g . 1 1



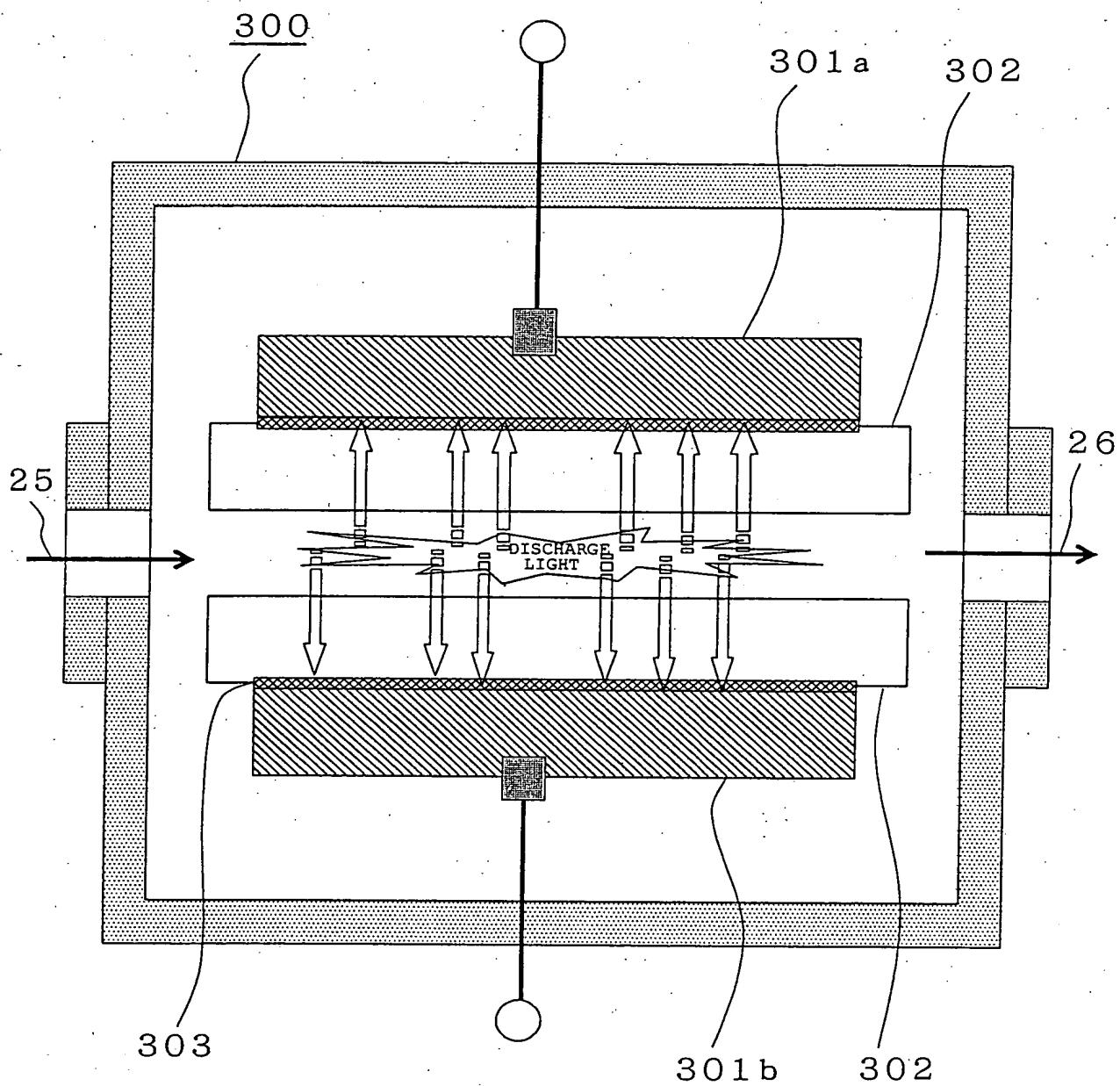
F i g . 1 2



F i g . 1 3

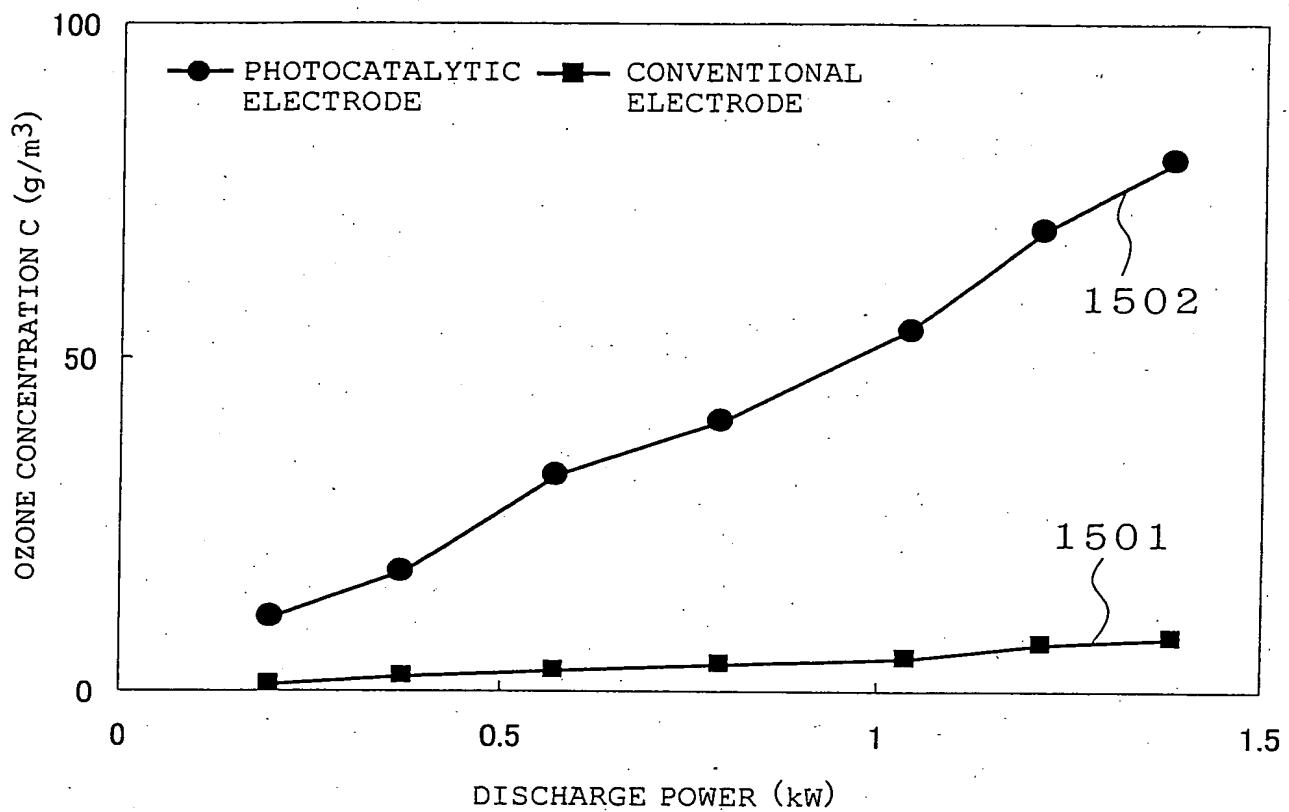


F i g . 1 4



F i g . 1 5

10/538780



F i g . 1 6

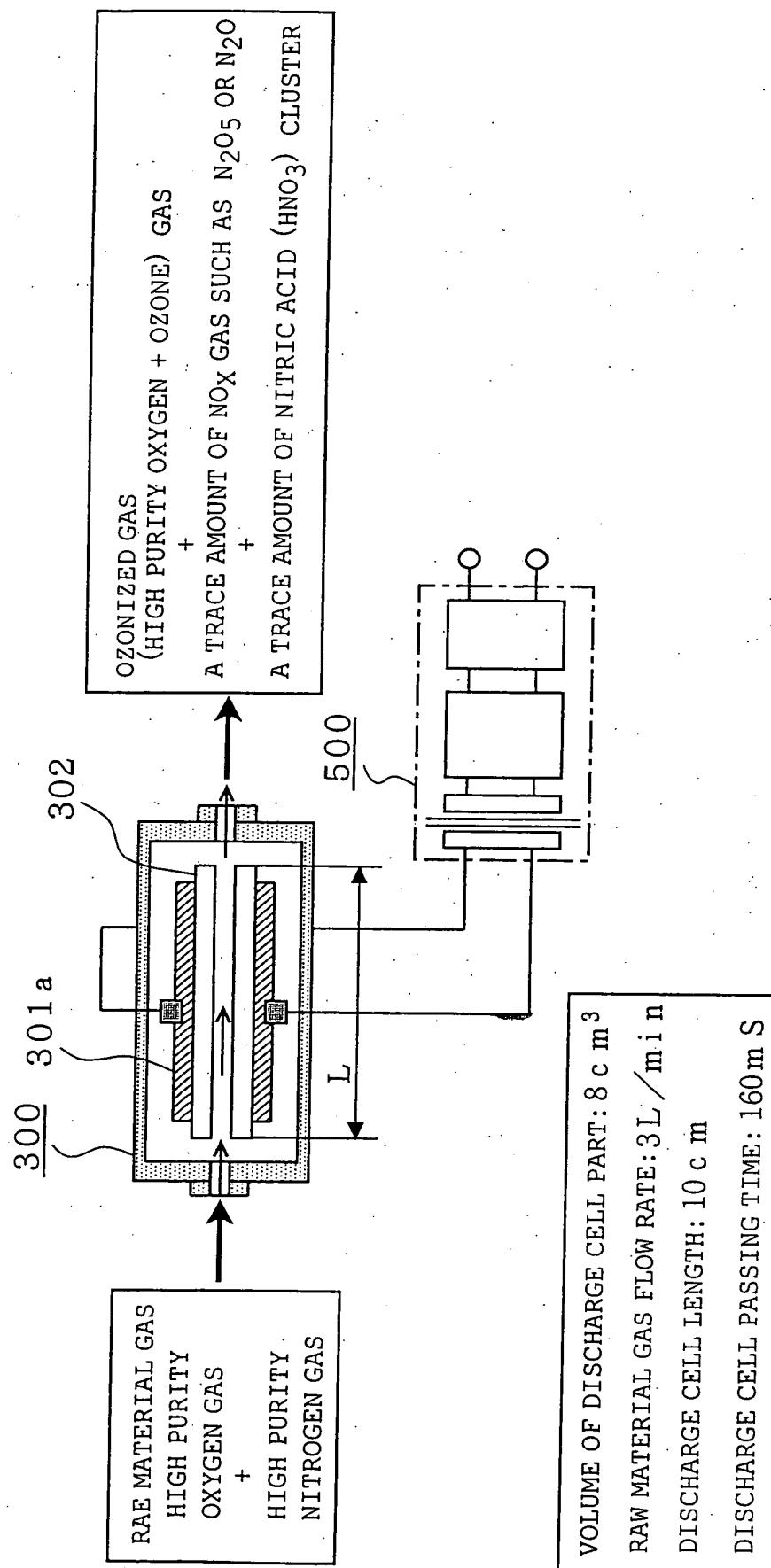


Fig. 17

EFFECT OF NITROGEN ADDITION CONSTANT OXYGEN FLOW RATE OF 3 SLM

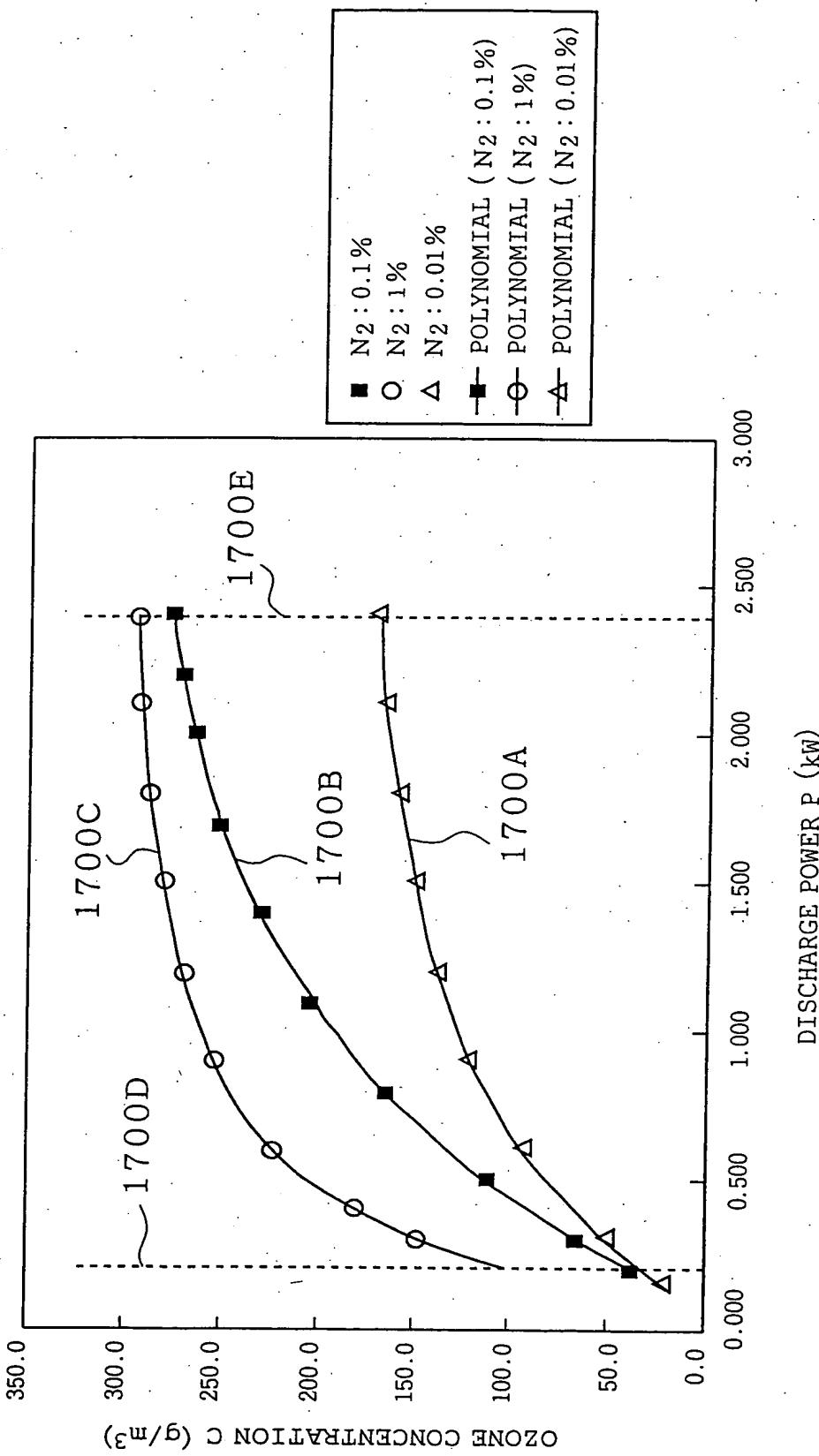


Fig. 18

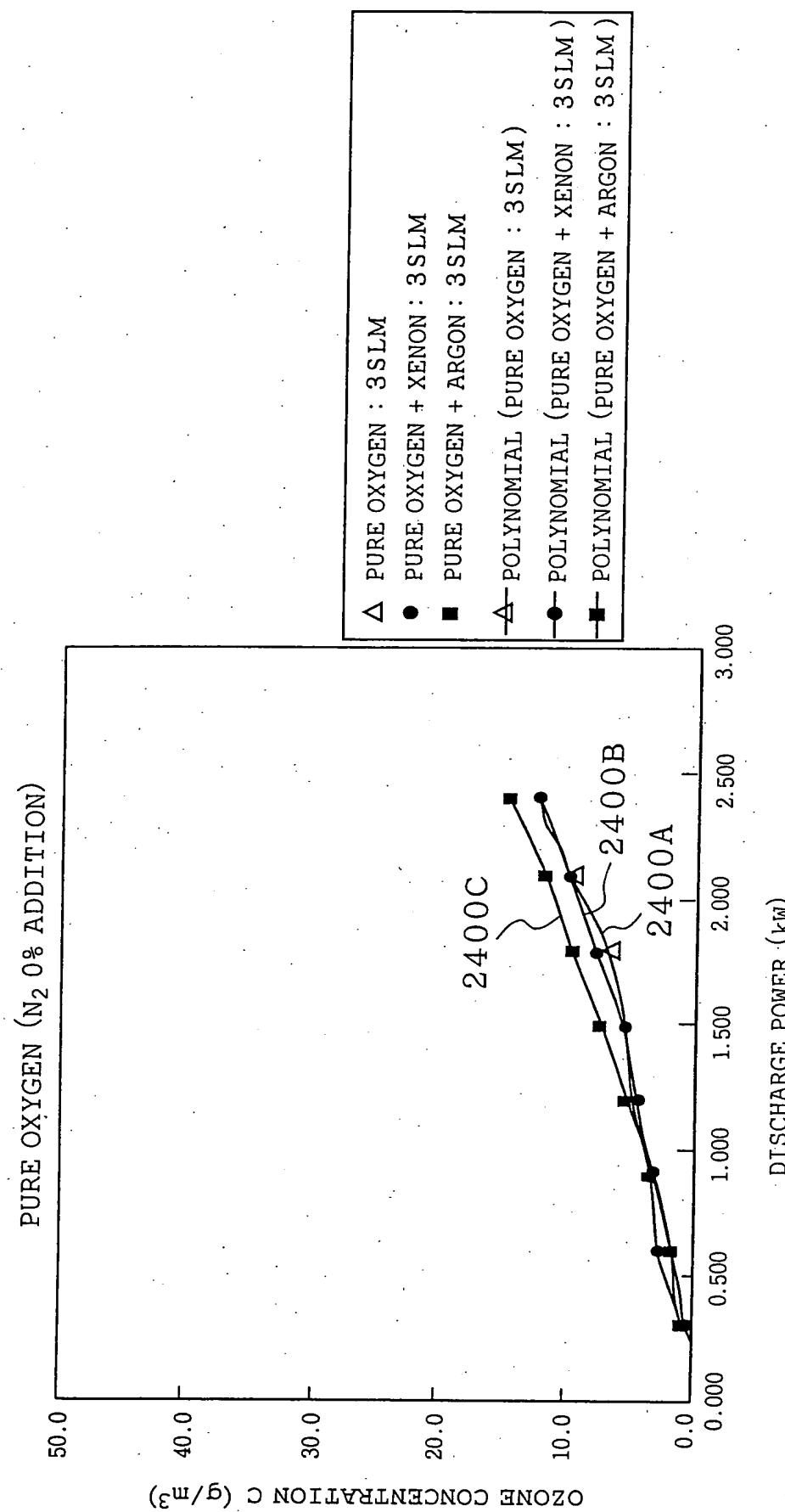
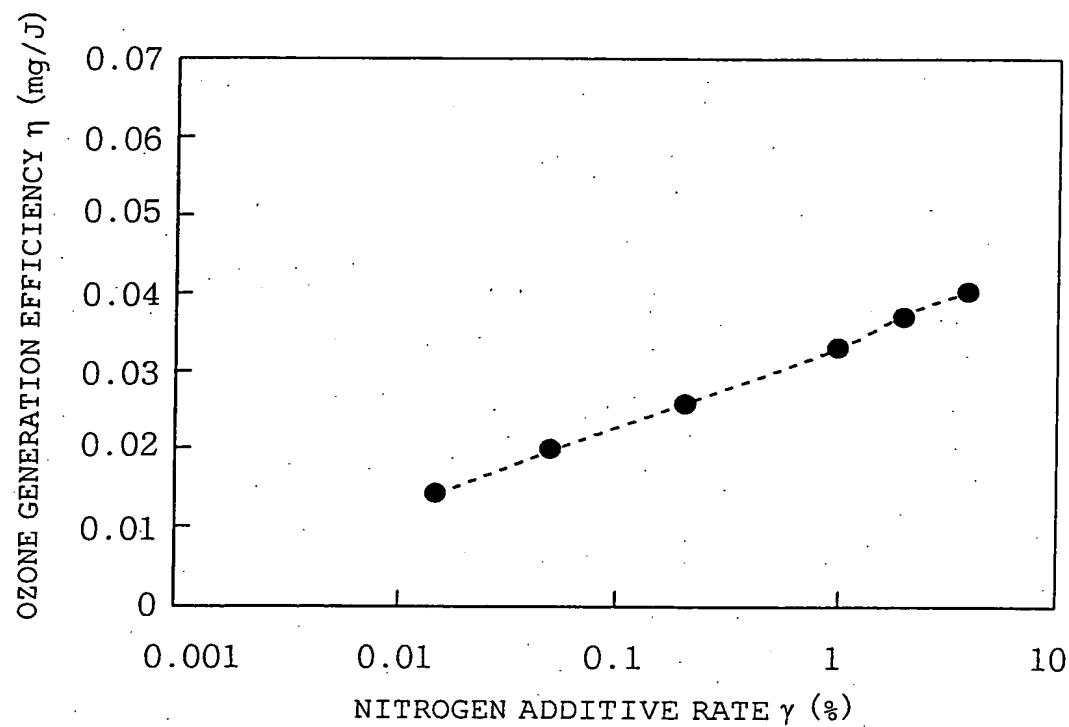
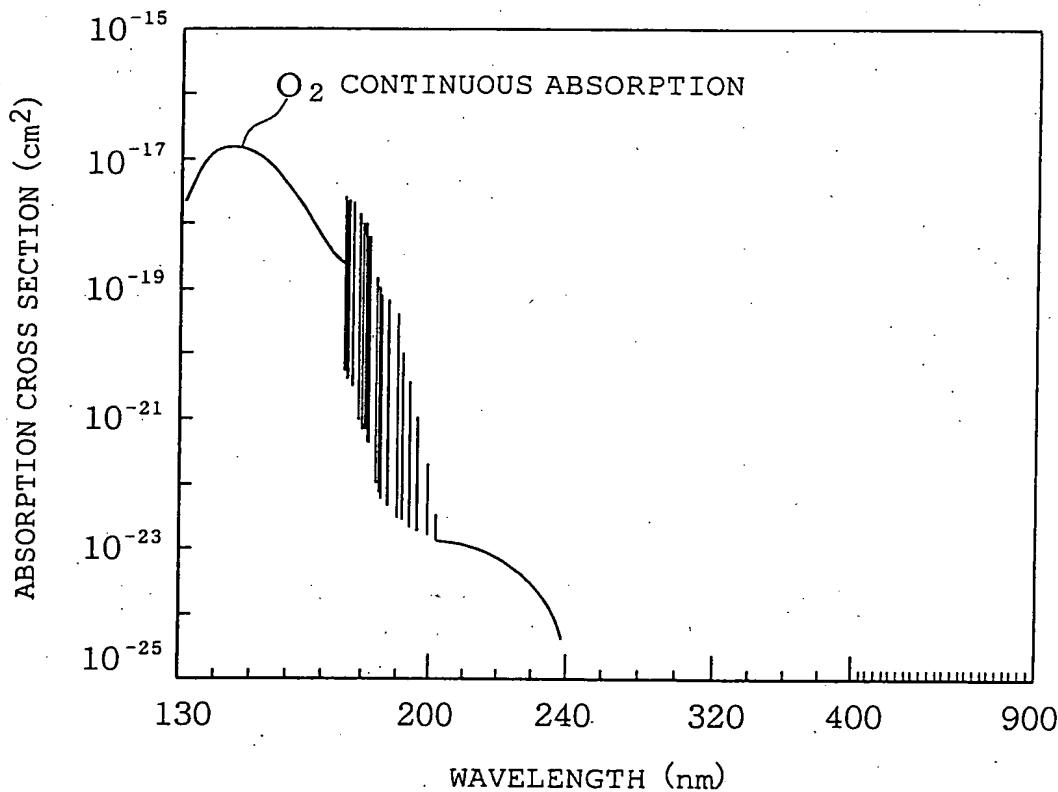


Fig. 19



F i g . 2 0



F i g . 2 1

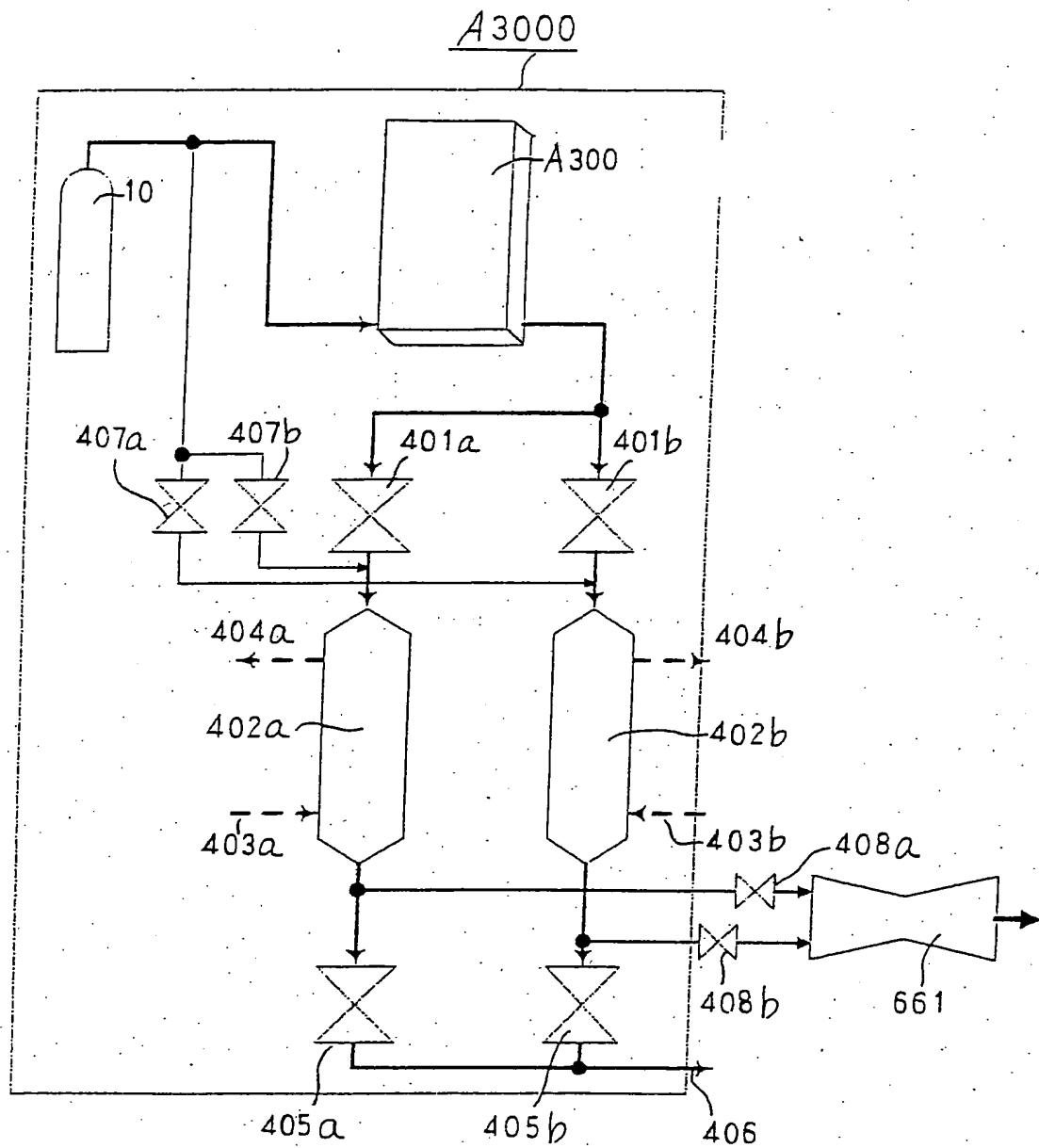


Fig. 22

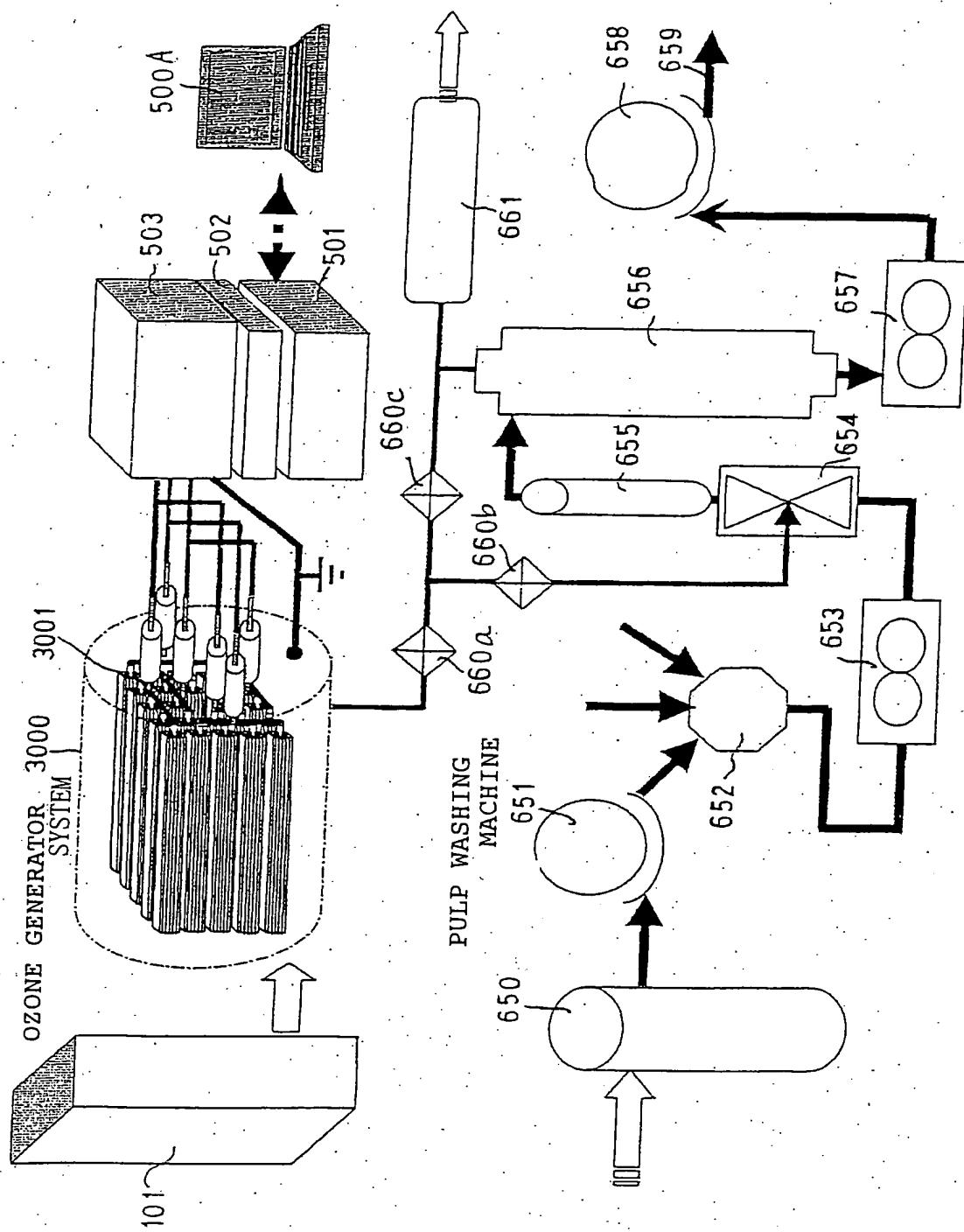


Fig. 23

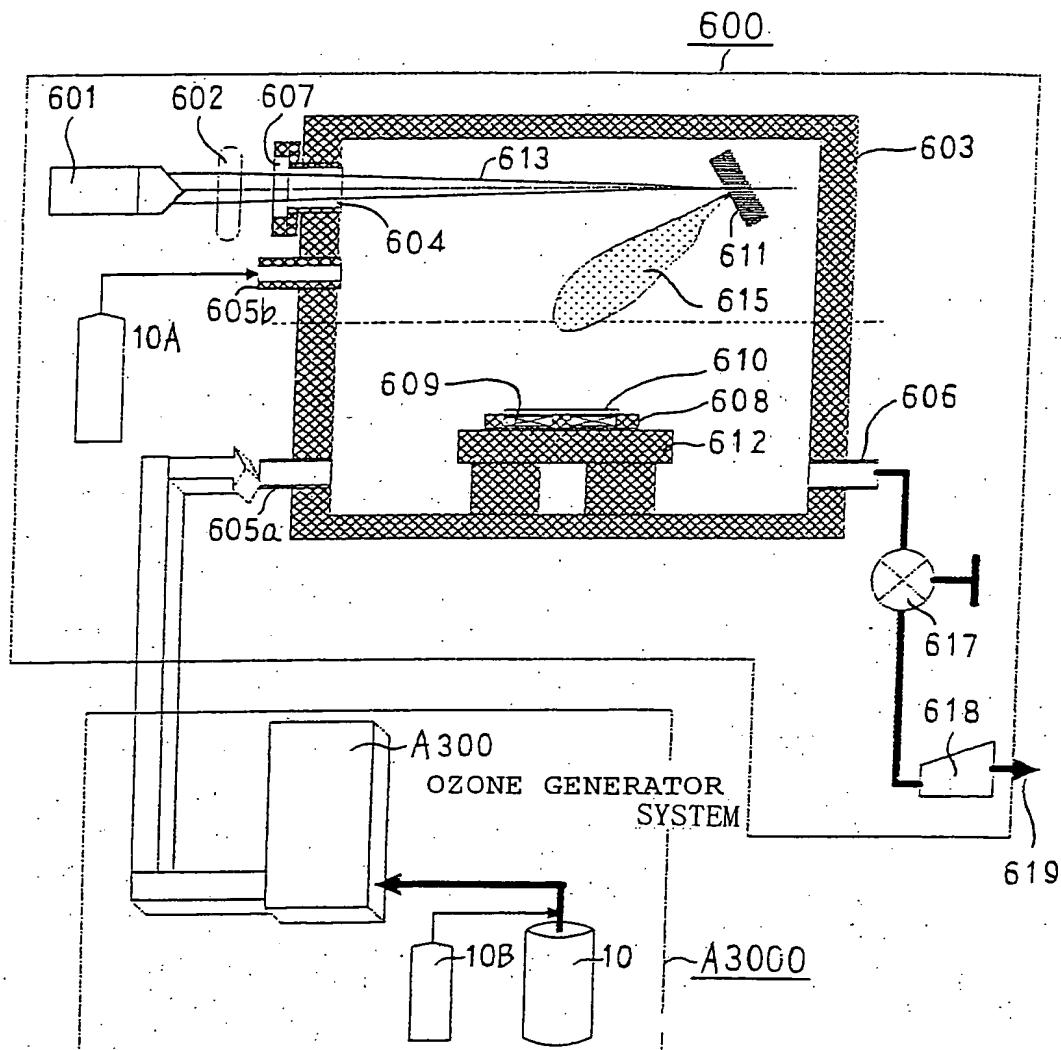


Fig. 24